

Before Use

Fieldbus device

EX250-IE1/EX250-IE2/EX250-IE3



Thank you for purchasing an SMC EX250-IE1/EX250-IE2/EX250-IE3 Fieldbus device.
Please read this manual carefully before operating the product and make sure you understand its capabilities and limitations. Please keep this manual handy for future reference.

To obtain the operation manual about this product and control unit, please refer to the SMC website (URL <http://www.smcworld.com>) or contact SMC directly.

Safety Instructions

These safety instructions are intended to prevent hazardous situations and/or equipment damage.
These instructions indicate the level of potential hazard with the labels of "Caution", "Warning" or "Danger". They are all important notes for safety and must be followed in addition to International standards (ISO/IEC) and other safety regulations.

- Caution:** CAUTION indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.
- Warning:** WARNING indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.
- Danger:** DANGER indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury.

Operator

- ◆ This operation manual is intended for those who have knowledge of machinery using pneumatic equipment, and have sufficient knowledge of assembly, operation and maintenance of such equipment. Only those persons are allowed to perform assembly, operation and maintenance.
- ◆ Read and understand this operation manual carefully before assembling, operating or providing maintenance to the product.

Safety Instructions

Warning
<p>■ Do not disassemble, modify (including changing the printed circuit board) or repair. An injury or failure can result.</p>
<p>■ Do not operate the product outside of the specifications. Do not use for flammable or harmful fluids. Fire, malfunction, or damage to the product can result. Verify the specifications before use.</p>
<p>■ Do not operate in an atmosphere containing flammable or explosive gases. Fire or an explosion can result. This product is not designed to be explosion proof.</p>
<p>■ If using the product in an interlocking circuit: • Provide a double interlocking system, for example a mechanical system. • Check the product regularly for proper operation. Otherwise malfunction can result, causing an accident.</p>
<p>■ The following instructions must be followed during maintenance: • Turn off the power supply. • Stop the air supply, exhaust the residual pressure and verify that the air is released before performing maintenance. Otherwise an injury can result.</p>
Caution
<p>■ After maintenance is complete, perform appropriate functional inspections. Stop operation if the equipment does not function properly. Safety cannot be assured in the case of unexpected malfunction.</p>
<p>■ Provide grounding to assure the noise resistance of the product. Individual grounding should be provided close to the product with a short cable.</p>

NOTE

- When conformity to UL is necessary the SI unit must be used with a UL1310 Class 2 power supply.
- The product is a UL approved product only if it has a mark on the body.

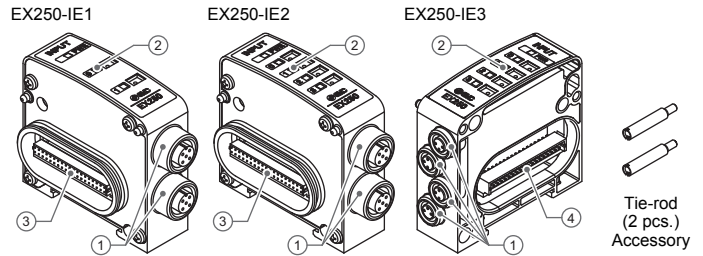
Model Indication and How to Order

EX250-IE□

Block type

1	Input points: 2, M12 connector (2 pcs.)
2	Input points: 4, M12 connector (2 pcs.)
3	Input points: 4, M8 connector (4 pcs.)

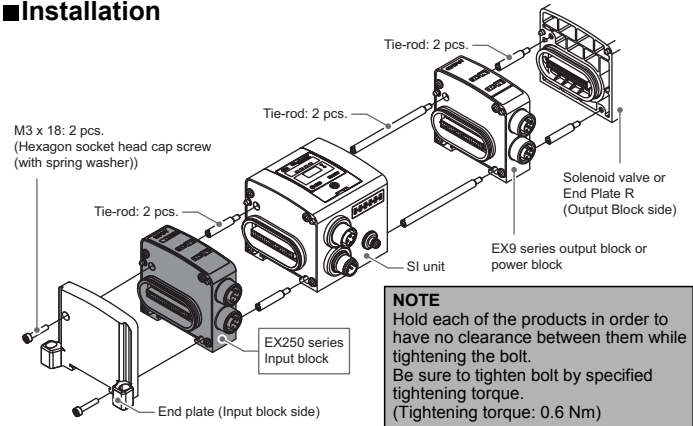
Summary of Product Elements



No.	Part name	Function
1	Input equipment connector	Connects the input equipment such as sensor, etc.
2	Operation display LED	Displays the status of the power supply and input.
3	Connector (socket)	To be used for adding an Input block.
4	Connector (plug)	To be used for connecting an SI unit or Input block.

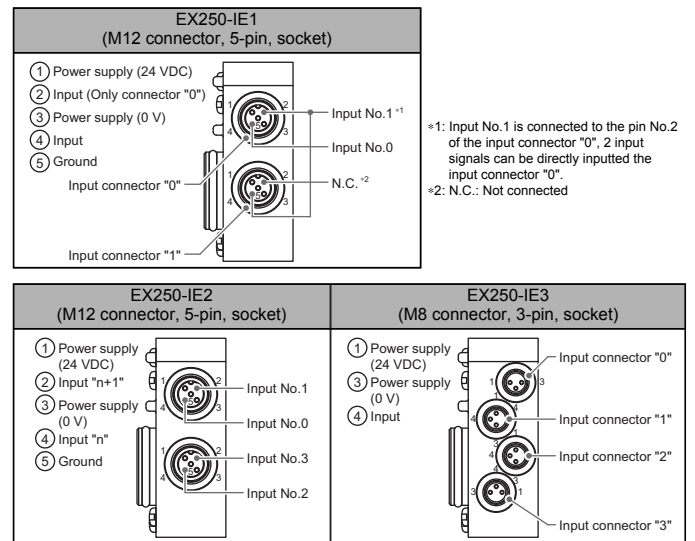
Mounting and Installation

Installation



Wiring

Input connector pin layout



Specifications

Part No.	EX250-IE1	EX250-IE2	EX250-IE3
Power supply	24 VDC, Class 2, 0.06 A	24 VDC, Class 2, 0.12 A	
Rated input current	8 mA		
Operating temperature range	-10 to +50 °C		

*1: Input terminal are not isolated from Power source.
*2: Do not connect outside Power source to Input and Output terminals.

Refer to the product catalogue or SMC website (URL <http://www.smcworld.com>) for more information about the product specifications.

Outline with Dimensions / Option

Refer to the product catalogue or SMC website (URL <http://www.smcworld.com>) for more information about the product outline dimensions and option.

SMC Corporation URL <http://www.smcworld.com>

Akihara UDX 15F, 4-14-1, Sotokanda, Chiyoda-ku, Tokyo 101-0021, JAPAN
Phone: +81 3-5207-8249 Fax: +81 3-5298-5362

Note: Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.
© 2015-2017 SMC Corporation All Rights Reserved. EX※※-OMT0014-A